



**NoVA Ascend Dynamics**  
TRANSFORMING VISIONS. IGNITING GROWTH

Capabilities

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# PHP Consulting & Development




php

# About Us

## Overview

 **4000+**  
Employees

 **10**  
Global Offices

 **9**  
Development Centers

 Office Space  
**1,00,000+** Sq.ft.

## Clientele


 **1500+**  
Clients


 **50+**  
Countries

 **85%**  
Clients Retention


 Industry Verticals  
**22+**

## Achievements

 **2000+**  
Products Engineered

 **1500+**  
Applications Developed

 **12+**  
Awards

 **20+**  
Million Development Hours

## Partners













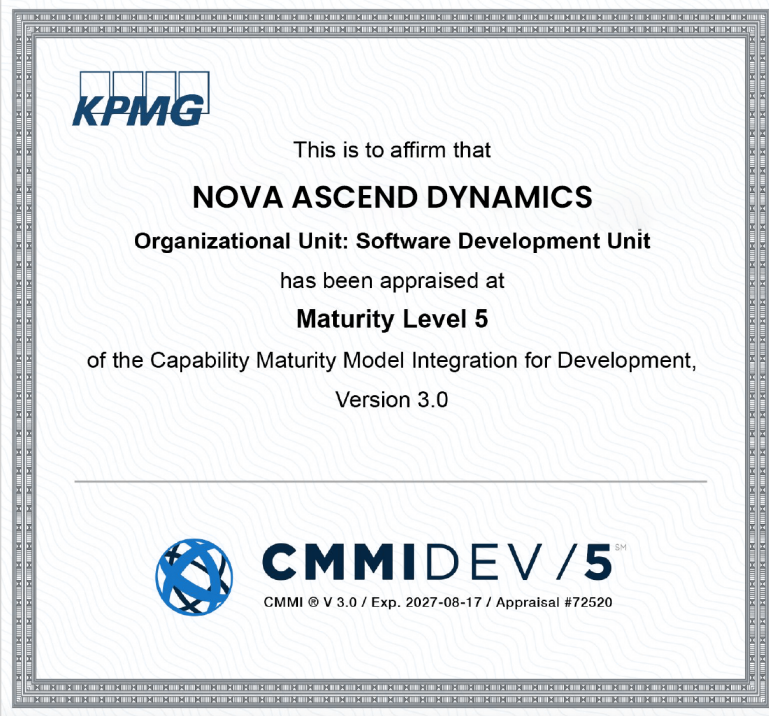


Great Place  
To Work.  
Certified  
INDIA

**25+**  
YEARS OF  
EXCELLENCE

 **CMMI DEV/5**

# Certified To Deliver Quality



**ISO**  
9001:2015  
Quality Management

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**ISO**  
27001:2013  
Information Security

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**ISO**  
20000-1:2011  
IT Management

---

**ISO**  
22301:2012  
Business Continuity  
Management

---

# What We Do

## Team Augmentation

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A team of 4000+ Battle Tested engineers across 100+ Different Stacks.

We are your Digital Factory, dedicated teams to supercharge your development throughput.

0 Operational Overheads.

Agile & On Demand.

## Fixed Scope

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We offer meticulously crafted project specifications and timelines for cutting-edge development, seamless integrations and feature-rich solutions.

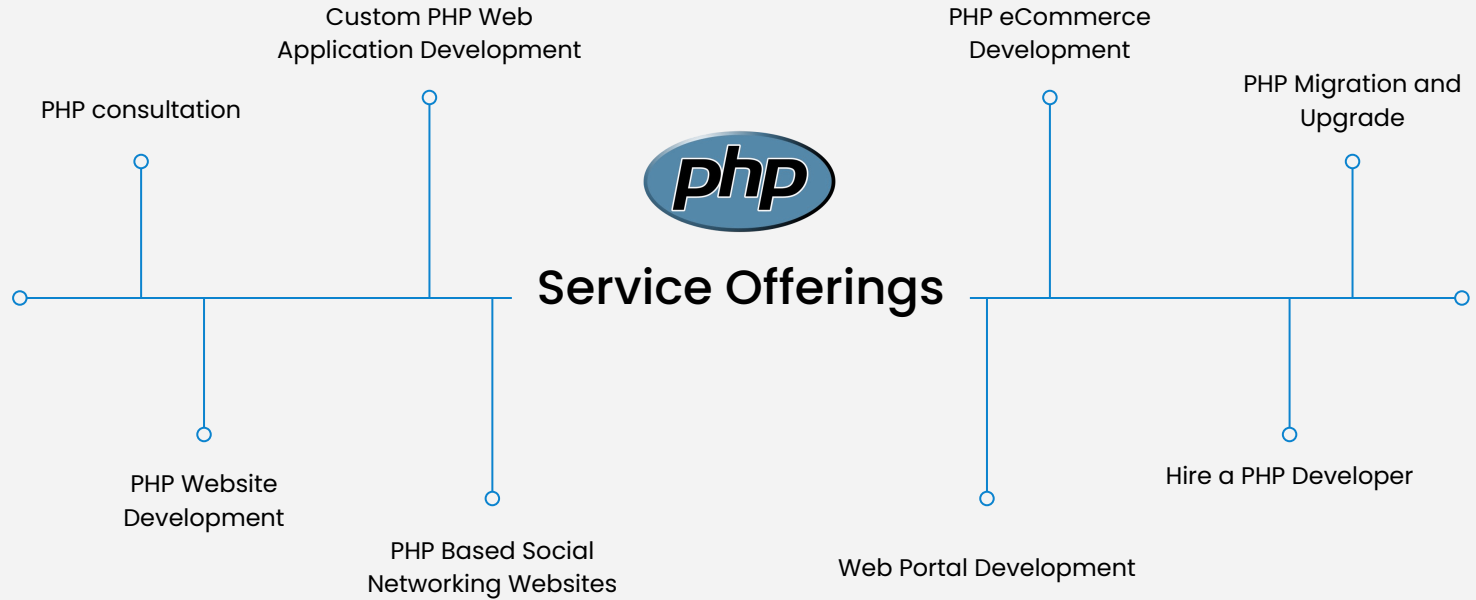
The Nova Ascend Dynamics approach ensures your projects are delivered with precision and excellence.

## Managed Services

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Our IMS services helps enterprises to run Business as usual.

With strong SLA driven services, 24x7 Support, Governance and Technology expertise, we help to optimize processes and costs.



# Our Technology Competencies



Laravel



Zend



Symphony



CodeIgniter



CakePHP



Yii



FuelPHP



Phalcon



Magento



Drupal



Wordpress



Shopify



osCommerce



Joomla



SQL Server



SugarCRM

# Selected Clientele

Naseej

CHÖVIE



OCUCO

HT TIMELESS  
TOKENS



SMST  
Express

youramlak.com



SEG  
SAFETY ELECTRICAL GROUP



SONY



COCO JALILA  
FINE ARTISANAL CHOCOLATE



electronics  
bazaar.com

vitalitylife



EROS



INDIRA IVF  
FERTILITY & IVF CENTRE

CARATLANE  
A Jointing Partnership



Infosys

best  
swiss



Elga

GNC  
LIVE WELL



WELL PAPERS

The background features a series of thin, light blue lines that originate from the bottom center and curve upwards and outwards towards the right side of the frame, creating a sense of motion and depth against the solid black background.

# Case Studies



# A Destination for Trendy Clothing and Accessories

Elevates e-commerce user experience with extensive customizations and seamless integrations.

UI/UX

Optimized Inventory Management

Payment Gateway

## Outcomes

### 76% Enhanced Visual Appeal

- Integrated an external theme package and tailored design elements, boosting aesthetic appeal and user engagement.

### 2x Better Inventory Management

- Implemented a multi-source inventory system, optimizing warehouse configuration for efficient stock management.

### 35% More Diverse Payment Options

- Successfully integrated payment gateways like Paytm and CCAvenue, diversifying payment options for customers.

# Solutioning

## Challenges

- Adapting an external theme package while aligning it with specific client requirements.
- Setting up a multi-warehouse inventory system with synchronizing inventory data across various sources.
- Offering multiple payment options to ensure a smooth user experience.

## Technical Spotlight

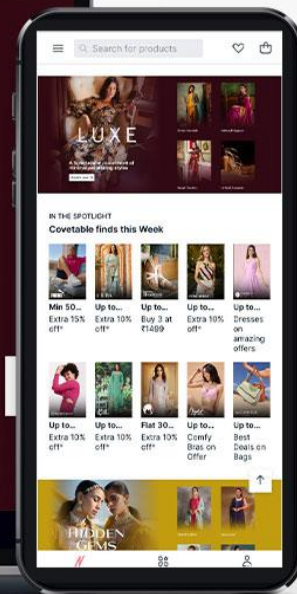
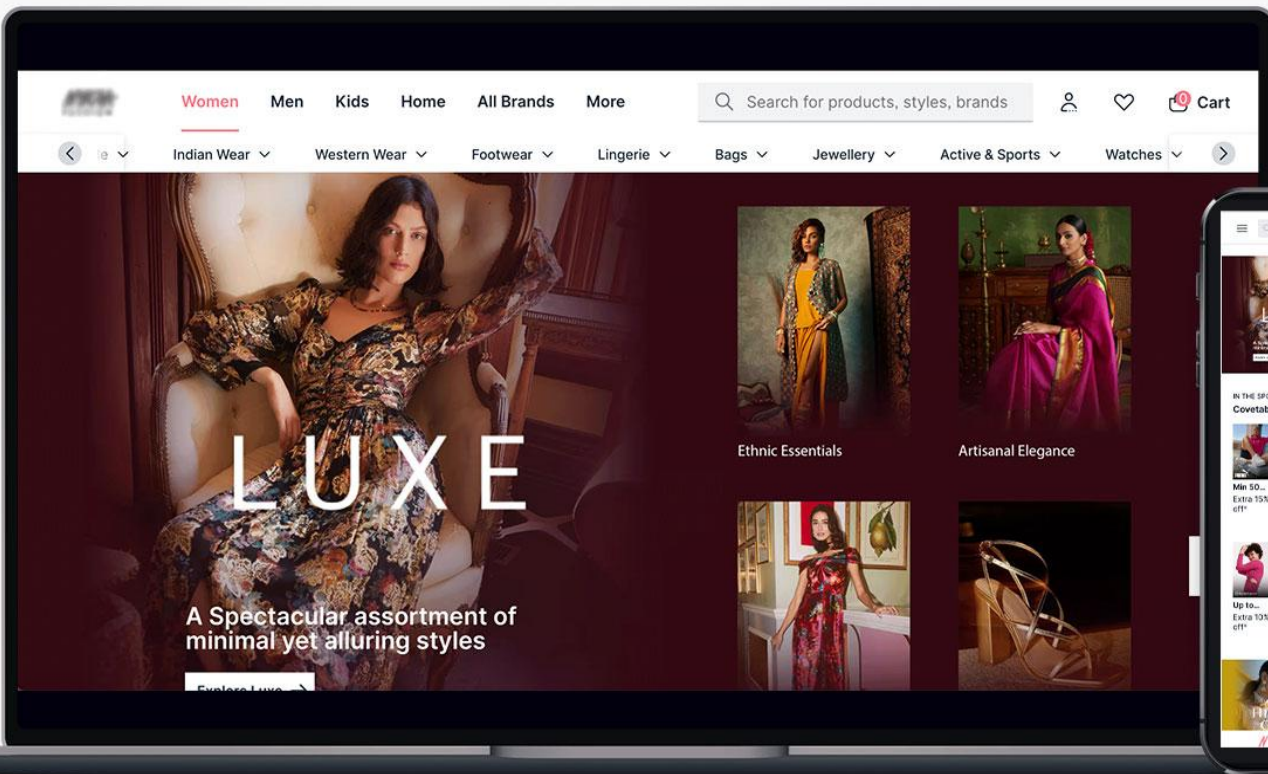
- UNIX / LINUX provided a stable and secure environment for hosting the theme, ensuring reliability and security in operations.
- MySQL 5.0 provided a robust database management system, ensuring accurate storage and retrieval of inventory data.
- Efficiently integrated Paytm and CCAvenue for versatile payment options.

## Solution Highlights

- Conducted thorough compatibility checks and employ a systematic approach to customize the theme as per client requirements.
- Ensure precise configuration of multi-warehouse inventory by emphasizing accurate data sync and robust tracking mechanisms for reliability.
- Integrated diverse payment gateways like Paytm and CCAvenue.

## Tech Stack





# One of the Biggest Retail Mall-chains in India

Developed a mall management system that enables retailers to track sales, store data and share profit.

Web App Development

UI/UX

Database Management

POS

## Outcomes

### 10X Increased Efficiency

- Automation of mundane tasks enhanced productivity.

### 8X Greater Transparency

- Resource optimization thereby bringing a considerable reduction in overhead costs.

### 70% Boosted Sales

- Smart and efficient application processes boosted business revenues.

# Solutioning

## Challenges

- The absence of a dedicated infrastructure for consolidating inventories and sales led to missing business opportunities.
- No system in place to track sales.
- Lack of transparency among retailers within malls.

## Technical Spotlight

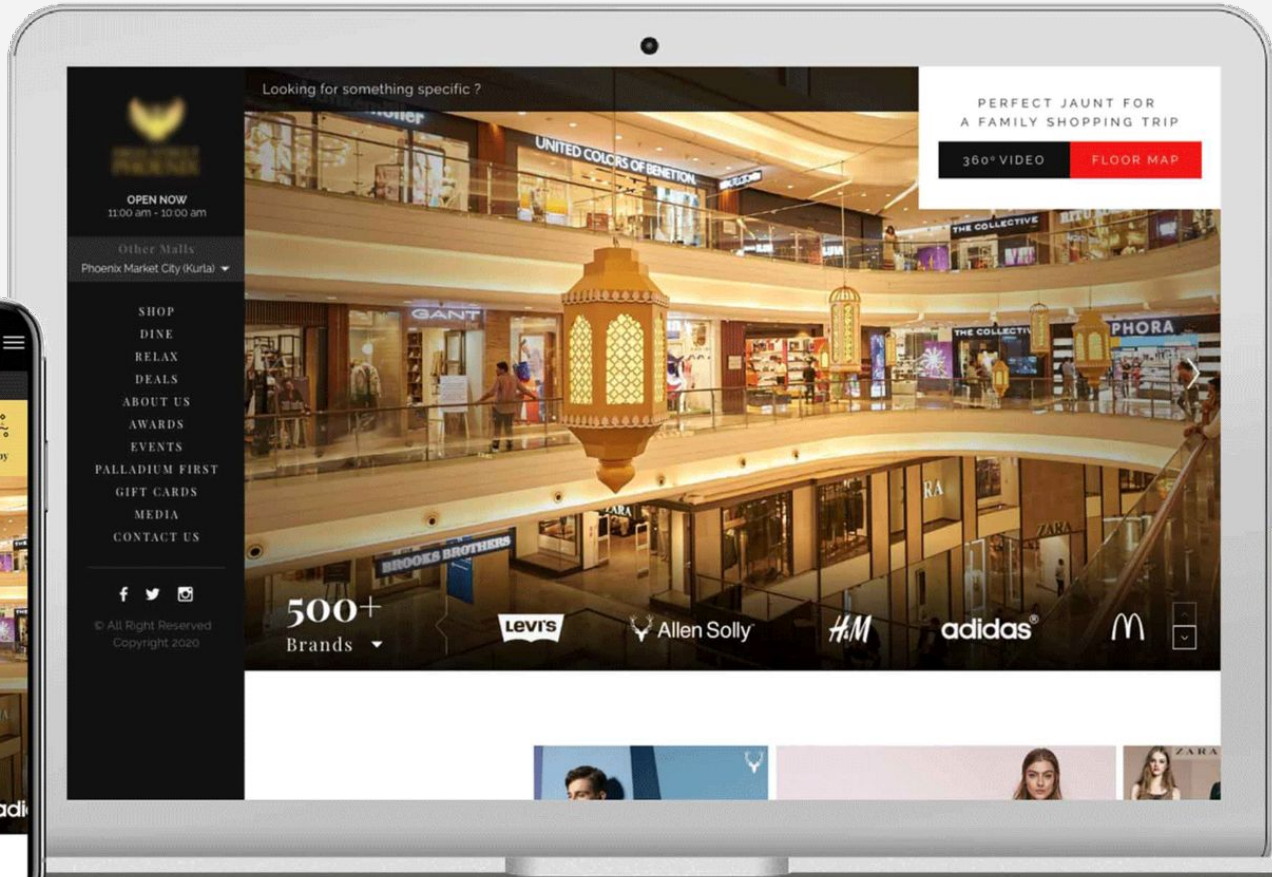
- Developed a point of sale application using core Java and Swings.
- Developed plugins using VB.NET for fetching the sales data from point of sale application.
- Portal for tracking sales using PHP object-oriented approach and by developing an MVC framework for the same.

## Solution Highlights

- Implemented data exchange protocols and enhanced security authorization for different retailers.
- SQLite was used to develop a secure database to store retail data and sales information.
- Analytics dashboard that provides crystal clarity on overall sales, traffic, purchase patterns, and heat maps.

## Tech Stack





Looking for something specific ?

PERFECT JAUNT FOR  
A FAMILY SHOPPING TRIP

360° VIDEO

FLOOR MAP

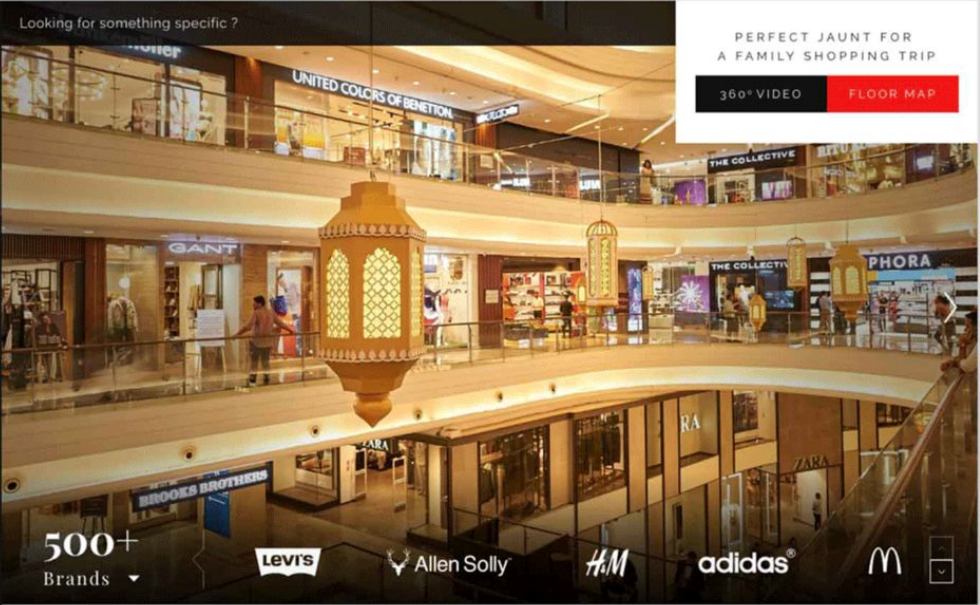
OPEN NOW  
11:00 am - 10:00 am

Other Malls  
Phoenix Market City (Kurla) ▾

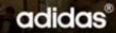
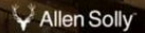
- SHOP
- DINE
- RELAX
- DEALS
- ABOUT US
- AWARDS
- EVENTS
- PALLADIUM FIRST
- GIFT CARDS
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- CONTACT US



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500+  
Brands ▾



# A Powerful Online Optometry Appointment Scheduling Solution

Built a multi-server online scheduling solution that simplifies appointment management.

Performance Optimization

UI/UX

CMS

## Outcomes

### Improved Appointment Management

- Optimized appointment management, reducing booking errors and enhancing patient convenience.

### Enhanced System Efficiency

- streamlined data processing and reduced server load, improving overall system efficiency and performance.

### Increased Data Accuracy

- Ensured accurate patient and medical information, minimizing errors and improving reliability.

# Solutioning

## Challenges

- Ensuring seamless integration and interoperability across various technologies and platforms.
- Coordinating communication and data exchange between multiple servers.
- Handling complex business logic and data processing tasks, integrating multiple data sources, and managing intricate operations efficiently.

## Technical Spotlight

- Employed a modular approach with JavaScript for client-side interactions and PHP for server-side processing.
- Utilized Yii Framework for efficient communication and SOAP for reliable data exchange between servers.
- Used PHP's robust server-side scripting capabilities to manage complex business logic and data processing tasks.

## Solution Highlights

- Enabled seamless integration and with diverse technologies, ensuring compatibility and adaptability to various environments and user needs.
- Streamlined server communication, simplifying multi-server integration and improving system coherence.
- Allowed for efficient processing of complex operations, ensuring smooth execution of business rules and accurate data management.

## Tech Stack





# The Specialist Eyecare Software Partner

Continuously Focused on Advancing the Boundaries of Optical  
Software

[Independents](#)[Chains](#)[Labs](#)

SPECTACLE DISPENSE

RX VALIDATION

**Complete**

LENS MEASUREMENT

The truth is in the  
numbers:

6,750+

Customer sites

13

International offices

30

Years of eyecare  
experience



Send message

# A Streamlined Digital Movie Ticket Booking Solution

Crafted a real-time ticket booking platform with dynamic pricing and advanced features.

API Development

Database Management

Real-time Processing

UI/UX

## Outcomes

### Enhanced Booking Efficiency

- Ensured fast, real-time ticket booking and dynamic pricing, enhancing user convenience.

### Robust Data Management

- Utilized advanced database technologies and synchronization processes to ensure reliable and efficient handling of movie data and user information.

### Better Cross-Platform Accessibility

- Developed the application using diverse frameworks and tools, providing a consistent and high-quality user experience across platforms.

# Solutioning

## Challenges

- Processing form submissions and managing user authentication securely.
- Managing user accounts, authentication, and personalization ensuring security and ease of use.
- Interacting with external APIs and handling data exchange between different systems.

## Technical Spotlight

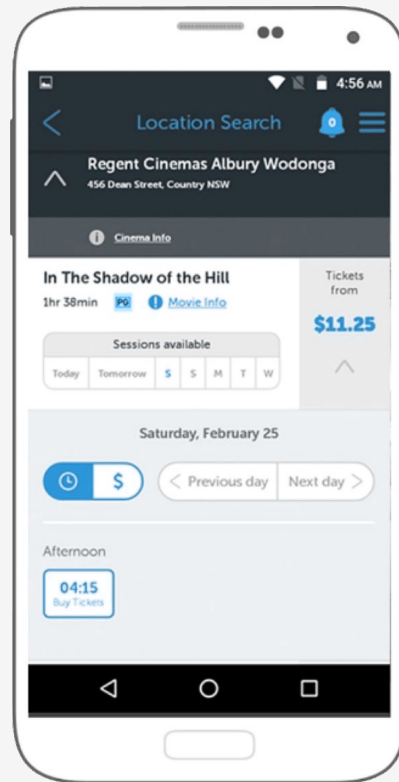
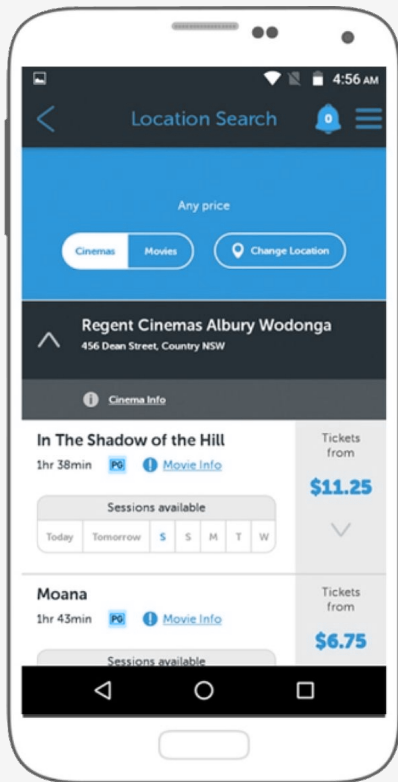
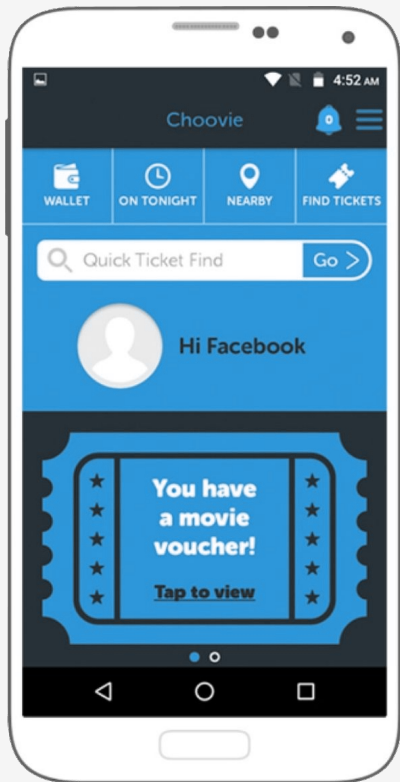
- Utilized PHP to process form submissions and manage user authentication securely.
- Implemented MySQL and JIRA for efficient user account management and tracking.
- Leveraged PHP to interact with external APIs and handle data exchange between different systems.

## Solution Highlights

- Handled form data and supported user authentication, protecting user information and ensuring secure access to the platform.
- Managed user accounts efficiently, and helped track development tasks related to user management.
- Simplified integration with external services, facilitating smooth data exchange and feature integration.

## Tech Stack





# The Public Transport Entity Driving Mumbai's Metro Transit System

Built a multilingual, mobile-friendly website that provides comprehensive updates.

Content Management

Performance Optimization

API Integration

UI/UX

## Outcomes

### Increased CMS Efficiency

- Implemented custom CMS modules, streamlining content creation and management processes.

### Improved Site Accessibility

- Responsive design and multilingual support ensured broader accessibility across devices and languages.

### Robust Security Measures

- Deployment of secure coding practices and regular updates strengthened site security and data protection.

# Solutioning

## Challenges

- Managing scalability and handling increased loads, optimizing for high traffic and resource demands.
- Protecting the platform from security breaches and unauthorized access while maintaining data integrity.
- Ensuring the platform functions seamlessly across various browsers and devices.

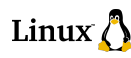
## Technical Spotlight

- Used PHP's support for various caching mechanisms to improve scalability and handle increased loads effectively.
- Applied secure coding practices and leveraged PHP's security features to protect against vulnerabilities.
- Utilized PHP, HTML5 and CSS3 to ensure compatibility and optimize user experience.

## Solution Highlights

- Enhanced performance and scalability by reducing server load and speeding up data retrieval, allowing the platform to handle higher traffic volumes.
- Enhanced the platform's security, protecting sensitive data and maintaining user trust.
- Enabled the creation of adaptive and responsive layouts, ensuring a consistent and high-quality user experience across devices.

## Tech Stack





MUMBAI METRO RAIL CORPORATION LTD.

(JV of Govt. of India and Govt. of Maharashtra)

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FLASH NEWS | Design, Manufacture, Supply, Installation, Testing & Commissioning of Lot I: Blow Down Plant along with



Completed tunnel with OCS at Santacruz Station

Project Updates



Civil Works

Recent News

After Aarey-BKC, Worli extension likely

12 Apr 2023

Route Map



# A Leading Full-Service Brokerage Firm in India

Designed a comprehensive digital tool for efficient lead management and performance tracking.

Performance Optimization

UI/UX

API Integration

Database Management

## Outcomes

### 3x Reduced Server Response Time

- Implemented advanced caching mechanisms and server optimizations, resulting in significantly faster response times for user requests.

### 40% Reduced Data Transfer Costs

- Implemented data compression algorithms and optimized data transmission protocols, resulting in significant cost savings on data transfer and storage.

### 65% Increased System Scalability

- Implemented horizontal scaling strategies and cloud-based infrastructure, enabling the system to handle a significantly higher load with minimal performance degradation.



# Solutioning

## Challenges

- Balancing functionality with performance to ensure the app runs smoothly on different devices.
- Managing data synchronization between the mobile app and server databases to ensure data consistency.
- Designing an intuitive and user-friendly interface to enhance the overall user experience.

## Technical Spotlight

- Employed Android (Java) for native app development, leveraged Chart.js and HighCharts for data visualization.
- Implemented real-time data synchronization with Node.js, Express Framework for backend development.
- Utilized PHPExcel for generating dynamic reports and data visualizations, providing users with interactive and visually appealing content.

## Solution Highlights

- Resulted in a smooth and responsive app experience, enhancing user satisfaction and retention.
- Enabled real-time access to updated information, improving data accuracy.
- Enhanced user engagement and retention by providing an intuitive and visually appealing interface, leading to higher user satisfaction and adoption rates.

## Tech Stack



10:51

← SBIN STATE BANK OF INDIA

575.20  
2.40 (0.41%)

NSE BSE NFO

Overview Returns & Volume Financials Te

Market Depth [View Chart](#)

Bid	Orders	Qty	Offer	Orders	Qty
0.00	0	0	0.00	0	0
0.00	0	0	0.00	0	0
0.00	0	0	0.00	0	0
0.00	0	0	0.00	0	0
0.00	0	0	0.00	0	0

0% (0) (0) 0%

Total buy quantity Total sell quantity

Prev. close	Open	High	Low
572.80	573.95	576.25	571.85

BUY SELL SIP

11:11

← Nifty 50 Nifty 50

21,737.40  
82.65 (0.38%)

NSE

Instituents Future Screeners Option Screeners

EXPIRY DATE

Thu 28 Dec '23 Thu 28 Dec '23 Thu 25 Jan '24

VIEW

OI Gainers Most Active by Value OI Gainers

TYPE

Stocks and Index Stocks Only Index Only

Search in table

COLUMNS Custom - OI VOLUME GREEKS

BANKNIFTY	Put	49,600
SYMBOL	TYPE	STRIKE
1,175	-4.6	1
PRICE	%DAY CHANGE	VOLUME

11:11

← Mutual Funds

Search mutual funds

Welcome

Current Value ₹ 48,424.84 Unrealized P&L ₹ 10,014.70 (▲ 26.07%)

Invested Amount ₹ 38,410.14 Realised P&L ₹ 5,451.80

[view holdings](#)

Choose a goal to invest [View All](#)

Shubharambh SIP

Cherry picked schemes that come with consistent performance and are easy on ...

Min. Investment ₹ 5,000.00 3Y CAGR 20.19%

Min. In ₹ 5,000

New Fund Offer (NFO) [View All](#)

# A Platform to Purchase Precious Metals in a Digitized Format

Built a user-friendly application to simplify access to various precious metals.

Cloud Services

UI/UX

Database Management

Data Security

## Outcomes

### 50% Faster Transactions

- Optimized network communication, reducing transaction times and enhancing user experience and efficiency in processing orders.

### 9x Enhanced Security

- Ensured a robust defense against potential threats and enhanced user trust.

### 5x Streamlined Payment Process

- Enabled a seamless payment experience, resulting in an increase in successful transactions and improving overall user satisfaction.

# Solutioning

## Challenges

- Protecting user data from security threats, addressing vulnerabilities in both frontend and backend.
- Building a scalable architecture to accommodate future growth and increasing user demand.
- Integrating a reliable payment gateway for secure transactions.

## Technical Spotlight

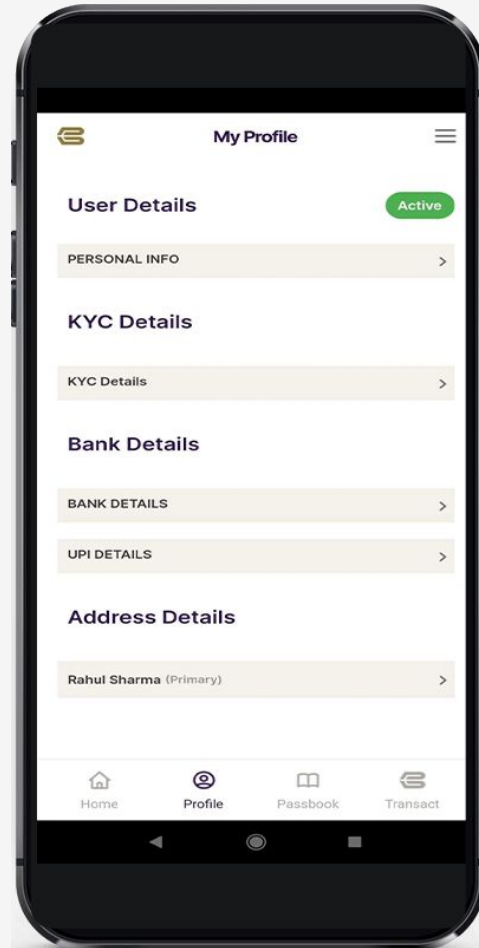
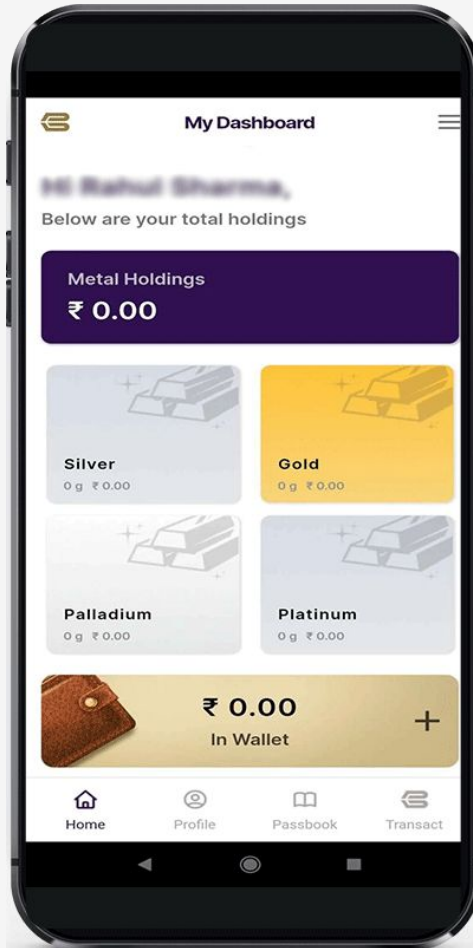
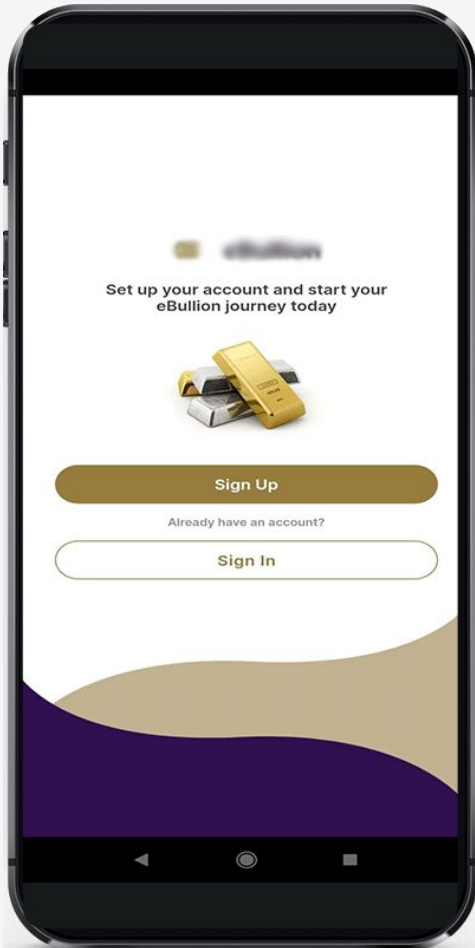
- Implemented Proguard to enhance app security, protecting against reverse engineering.
- Employed Node.js with PostgreSQL for backend development, providing a scalable and reliable infrastructure.
- Integrated RazorPay for secure and hassle-free payment processing.

## Solution Highlights

- Safeguarded user data and app integrity, protecting against any potential security threats.
- Enabled the app to handle increasing user demand effectively.
- Ensured secure and efficient payment transactions, enhancing user trust and satisfaction.

## Tech Stack





# A Unique Indian Platform Offering Quick Credit Financing Nationwide

Integrated major payment gateways to enable EMI purchases from major online retailers.

Payment Integration

E-commerce Integration

Modular Architecture

Cross-Platform Compatibility

## Outcomes

### 4x Efficient Inventory Management

- Integrating inventory service streamlined loan provision for online purchases.

### Modular Architecture

- Split the app into Laravel projects based on function boosts modularity and maintenance, easing updates and enhancements.

### 100% Cross-Platform Availability

- App availability on Android and iOS broadened reach, enhancing accessibility and engagement.

# Solutioning

## Challenges

- Ensuring seamless functionality and user experience across both mobile and web platforms.
- Loan applications are typically lengthy and time-consuming, often necessitating multiple bank visits and physical document submissions.
- Customers need clarity about the type of loan, amount of money, EMI collection period, etc., to apply for.

## Technical Spotlight

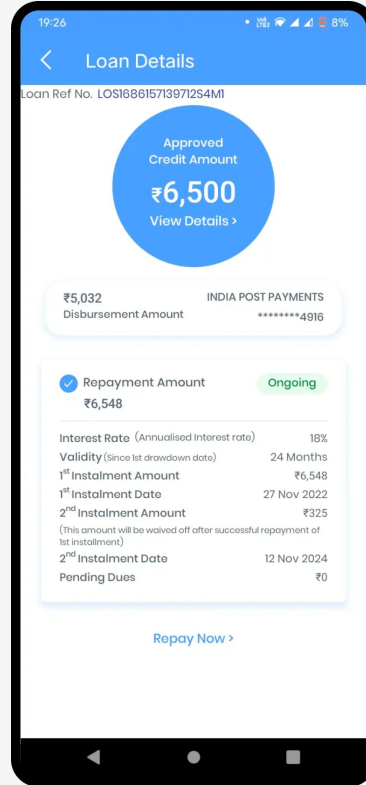
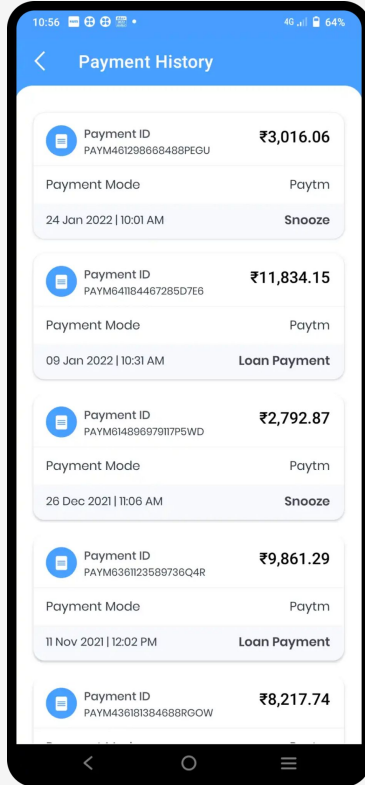
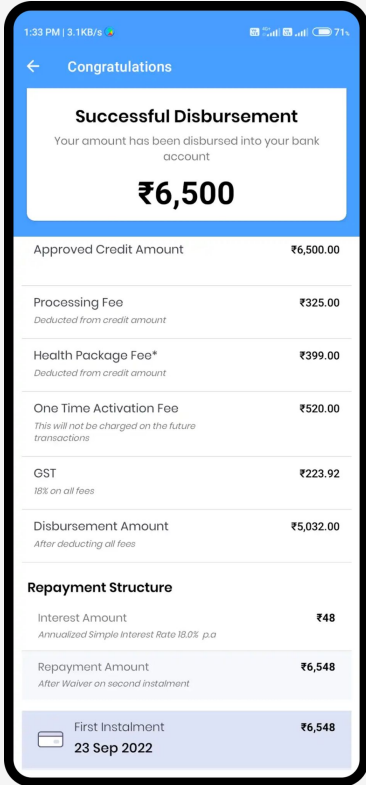
- CodeIgniter and Laravel offered efficient frameworks for backend and frontend development, respectively.
- PHP and MySQL 5.0 enabled efficient data processing and storage for seamless loan application submissions.
- Leveraged AI-powered loan recommendation engine to offer personalized loan plans.

## Solution Highlights

- Implemented responsive design principles and conduct thorough testing across various devices to ensure compatibility and consistency.
- Enabled users to upload required documents and apply for loans quickly and securely through the mobile application.
- Incorporated a loan recommendation engine that uses AI to provide users with a list of loan plans based on their input information.

## Tech Stack







# A Payment App for Direct Bank Payments to Anyone

Developed a mobile-friendly platform with custom themes and user-friendly web forms.

Scalability

UI/UX

Payment Integration

Data Encryption

## Outcomes

### 5x Increased User Engagement

- Enhanced user engagement through intuitive design and interactive features, resulting in a more immersive user experience.

### 100% Data Security

- Strengthened data security measures, ensuring the protection of sensitive user information and reducing the risk of data breaches.

### 70% Reduced Transaction Time

- Streamlined transaction processes, leading to a significant decrease in the time required for users to complete payments and other actions.

# Solutioning

## Challenges

- Integrating the app with existing backend systems and databases.
- Balancing the application's performance while maintaining responsiveness and minimizing load times.
- Implementing robust security measures to protect user data from unauthorized access and breaches.

## Technical Spotlight

- Developed robust APIs using PHP and MySQL to facilitate seamless communication between the application and backend systems.
- Utilized AJAX to make asynchronous requests and enhance web and mobile app performance.
- Utilized PHP's built-in encryption functions and MySQL's user authentication features.

## Solution Highlights

- Enabled real-time data exchange and enhanced overall application functionality.
- Utilizing code optimization techniques improved the application's performance, resulting in faster load times and smoother user experience.
- Ensured the security of user data, fostering trust among users and mitigating the risk of data breaches.

## Tech Stack





# A safe way to pay. A safer way to stay healthy



4.5 ★★★★★



4.4 ★★★★★



# Specialists in Freight Solutions to Streamline Shipping Processes

Developed a comprehensive reporting application to optimize operations.

Real-Time Analytics

Cross-Platform Compatibility

UI/UX

Data Visualization

## Outcomes

### Enhanced Reporting Capability

- Optimized database queries and automated report generation streamlined reporting processes, reducing manual effort and time.

### Advanced Data Visualization

- Implemented Chart.js for dynamic dashboards and graphical reports, enhancing data presentation and user insights.

### Enhanced System Integration

- Developed and integrated APIs for document generation and uploading, improving system connectivity and data handling.

# Solutioning

## Challenges

- Integrating multiple data sources and APIs with varying data formats and synchronization issues.
- Generating and processing reports quickly and accurately despite large volumes of data and complex queries.
- Safeguarding sensitive documents during upload and transmission while preventing unauthorized access.

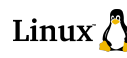
## Technical Spotlight

- Utilized PHP and Laravel for seamless integration of multiple data sources and APIs.
- Used MySQL 5.0 for optimized database queries and leveraged PHP for generating reports.
- Implemented secure file upload and API handling in PHP and Laravel.

## Solution Highlights

- Provided robust frameworks for handling complex integrations, ensuring smooth data flow and consistency across the platform.
- Streamlined report generation, greatly reducing processing time and enhancing efficiency.
- Secured document handling, preventing unauthorized access and ensuring safe transmission of sensitive data.

## Tech Stack



Date range Resource type Resource Booking status

Last 3 Months All All All

10/28/2022 - 1/27/2023

Avg. work time per day (hrs)

35.3

Avg. travel time per day (hrs)

7.1

Total miles traveled

15.2K

Avg. miles traveled per day

253.3

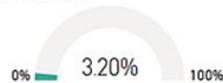
Utilization rate



Late arrival rate



Booking cancellation rate



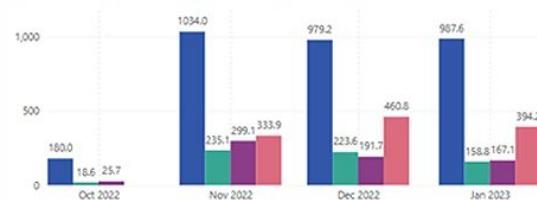
Resource utilization breakdown

Work hour Travel hour Break hour Idle hour



Duration breakdown (hrs)

Work duration Travel duration Break duration Idle duration



### Territory analysis

Bookings by territory

Variance to estimated travel time (hrs)

Requirement duration vs. allocated duration (% hrs)

# One of the World's Leading Logistics Companies

Developed an e-store platform, providing international and domestic shipping services.

Shipment Tracking

Payment Gateway

Version Control

Platformization

## Outcomes

### 60% Better Shipment Visibility

- Implemented real-time tracking functionalities, enhancing users' ability to monitor shipment progress and location seamlessly.

### 5x Improved Performance

- Optimized codebase and server configuration, resulting in improved platform performance and faster loading times for users.

### 99% Secure Payment Processing

- Enabled smooth and secure payment transactions for users, enhancing trust and reliability.

# Solutioning

## Challenges

- Integrating various components such as payment gateway, frontend framework, and backend framework.
- Integrating external APIs, such as social media APIs for enhanced user engagement, with the platform.
- Ensuring optimal performance across different server versions and managing database queries for efficient data retrieval.

## Technical Spotlight

- Implemented modular development approach using CodeIgniter for backend and AngularJS for frontend.
- Utilized PHP libraries and CodeIgniter framework to create wrappers for external APIs.
- Utilized MS SQL's optimization techniques such as indexing and query optimization for efficient data handling.

## Solution Highlights

- Allowed for seamless integration of components, ensuring a cohesive platform that functions smoothly.
- Ensured seamless interaction with external services.
- Enhanced performance, ensuring faster data retrieval and better overall platform responsiveness.

## Tech Stack







  
Track a Shipment >

  
Select a Location >

  
Contact Us >

# A Global Logistics Network Comprising 15 Leading Logistics Providers

Crafted a digital platform to improve user experience and functionality.

Performance Optimization

Data Security

Code Maintenance

Scalability

## Outcomes

### 50% Improved Functionality

- Implemented new features like shipment tracking, schedule search, and optimized login navigation, improving functionality.

### 9x Enhanced Security

- Safeguarded user information and transactions, mitigating risks of unauthorized access and data breaches.

### 76% Better Data Management

- Facilitated efficient storage and retrieval of website data, enhancing performance and scalability.

# Solutioning

## Challenges

- Ensuring consistent functionality and appearance across different web browsers.
- Optimizing website performance and responsiveness, especially when handling large volumes of data.
- Managing the complexity of server-side scripting and database management.

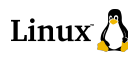
## Technical Spotlight

- Used CSS resets and browser prefixes to standardize rendering, implemented enhancement techniques.
- Utilized AJAX for asynchronous data retrieval and processing and JavaScript files to reduce load times.
- Utilized PHP frameworks for structured backend development.

## Solution Highlights

- Ensured consistent user experience across different browsers, increasing user satisfaction and engagement.
- Improved user experience and retention.
- Structured codebase and efficient development practices lead to easier maintenance and scalability of the platform.

## Tech Stack



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# WELCOME TO

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Cut-off Date\*

2024-05-15



2024-08-13



Origin\*

Destination\*

Please find an origin.

[SUBMIT](#)

# A Leading Indian Financial Company Offering a Range of Services

Built a cutting-edge online platform for trading, investments, and account management.

API Integration

Data Visualization

UI/UX

Content Management

## Outcomes

### Improved Trading Efficiency

- Streamlined account management and trading processes, reducing transaction times.

### Better User Tracking and Insights

- Improved tracking of user behavior, enabling more effective analysis and optimization of the user journey.

### Increased Security and Stability

- Ensured robust, secure, and stable performance of all platform components and modules..

# Solutioning

## Challenges

- Ensuring that sensitive user data and financial transactions are protected against security threats and breaches.
- Integrating third-party APIs smoothly while ensuring compatibility and performance.
- Implementing a content management system that allows for the efficient display and updating of dynamic content.

## Technical Spotlight

- Used HTTPS, data encryption, and secure PHP coding practices to protect sensitive user data and transactions.
- Utilized Zend's built-in support for API integration, ensuring compatibility and secure connections.
- Leveraged PHP along with a CMS to manage and display dynamic content efficiently.

## Solution Highlights

- Secure communication protocols and PHP practices protected sensitive user data from potential threats, boosting trust and compliance.
- Simplified API integrations, allowing seamless communication with third-party services.
- Allowed for efficient management and display of dynamic content, ensuring the platform remains current and informative.

## Tech Stack





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Karo har sapna poora with  
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1 ----- 2

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# A UK University's Cutting-Edge Online Portal

Designed an intuitive and elegant E-commerce platform for educational events.

Cloud Integration

UI/UX

Scalability

Data Security

## Outcomes

### 3x Better Maintenance and Support

- Provided ongoing support for the application in maintenance mode, ensuring its reliability and continued functionality.

### 100% Secure Data

- Prioritized data security with MySQL 5.0, implementing robust measures to safeguard sensitive information and ensure a secure transaction environment.

### 70% Improved Accessibility

- Ensured compatibility with various Windows server versions, expanding the application's reach and accessibility within the university's existing infrastructure.



# Solutioning

## Challenges

- Developing an application that functions consistently across various web browsers with differences in rendering engines.
- Achieving real-time data updates and integrating with external APIs, handling data bindings and asynchronous communication.
- Integrating the application with a cloud platform like Microsoft Azure with configuration, deployment, and optimizing for cloud services.

## Technical Spotlight

- Implement responsive design using Twitter Bootstrap.
- Utilize Angular for dynamic data handling and AJAX for asynchronous API consumption.
- Seamlessly integrated with Microsoft Azure, leveraging its cloud capabilities to enhance scalability, flexibility, and accessibility.

## Solution Highlights

- Users experienced a uniform and reliable interface regardless of the browser they use, contributing to a positive and consistent experience.
- Created a responsive and interactive application that delivers timely information and services.
- Improved performance, scalability, and reliability, while providing a platform for future enhancements and features.

## Tech Stack



Central planning unit > Time table > Schedule

## Schedule

<input type="checkbox"/>	Week	Date	From	To	Module	Schedule type	Lecturer	Room	Status
<input checked="" type="checkbox"/>	1	28 Jun 2019, Mon	12:15	15:15	IMICE - Adv. Dip in mass communication +BA (Liber...	Training - Lec 1	Seah pauline	LR-C1013	Confirmed
<input checked="" type="checkbox"/>	2	28 Jun 2019, Tue	08:30	11:30	DMCTH - Advance Dip & BSE in business computing ...	Training - Lec 1	Abdul raof	LR-D4038	Confirmed
<input checked="" type="checkbox"/>	3	28 Jun 2019, Wed	08:30	11:30	ENG - ENG - English Course	Training - Lec 2	Abdul raof	LR-D3036	Confirmed
<input checked="" type="checkbox"/>	4	28 Jun 2019, Mon	12:15	15:15	IMICE - Adv. Dip in mass communication +BA (Liber...	Training - Lec 1	NG chwee seng...	LR-C1013	Confirmed
<input checked="" type="checkbox"/>	5	28 Jun 2019, Tue	08:30	11:30	DMCTH - Advance Dip & BSE in business computing ...	Training - Lec 1	NG chwee seng...	LR-D4038	Confirmed
<input checked="" type="checkbox"/>	6	28 Jun 2019, Wed	08:30	11:30	ENG - ENG - English Course	Training - Lec 2	Eminem M	LR-D3036	Confirmed
<input checked="" type="checkbox"/>	7	28 Jun 2019, Mon	12:15	15:15	IMICE - Adv. Dip in mass communication +BA (Liber...	Training - Lec 1	Moris D	LR-C1013	Confirmed
<input checked="" type="checkbox"/>	8	28 Jun 2019, Tue	08:30	11:30	DMCTH - Advance Dip & BSE in business computing ...	Training - Lec 1	Auston M	LR-D4038	Confirmed
<input checked="" type="checkbox"/>	9	28 Jun 2019, Wed	08:30	11:30	ENG - ENG - English Course	Training - Lec 2	Marshell E	LR-D3036	Confirmed
<input checked="" type="checkbox"/>	10	28 Jun 2019, Mon	12:15	15:15	IMICE - Adv. Dip in mass communication +BA (Liber...	Training - Lec 1	Eminem M	LR-C1013	Confirmed
<input checked="" type="checkbox"/>	12	28 Jun 2019, Tue	08:30	11:30	DMCTH - Advance Dip & BSE in business computing ...	Training - Lec 1	Moris D	LR-D4038	Confirmed
<input checked="" type="checkbox"/>	13	28 Jun 2019, Wed	08:30	11:30	ENG - ENG - English Course	Training - Lec 2	Auston M	LR-D3036	Confirmed
<input checked="" type="checkbox"/>	14	28 Jun 2019, Mon	12:15	15:15	IMICE - Adv. Dip in mass communication +BA (Liber...	Training - Lec 1	NG chwee seng...	LR-C1013	Confirmed

Marketing

Central planning unit

Student service unit

International business

Membership

Exam unit

Administration

Eminem M



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